Saskatchewan
Community Services

Annual Report 1990 - 1991

Saskatchewan
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Provincial Fire Commissioner

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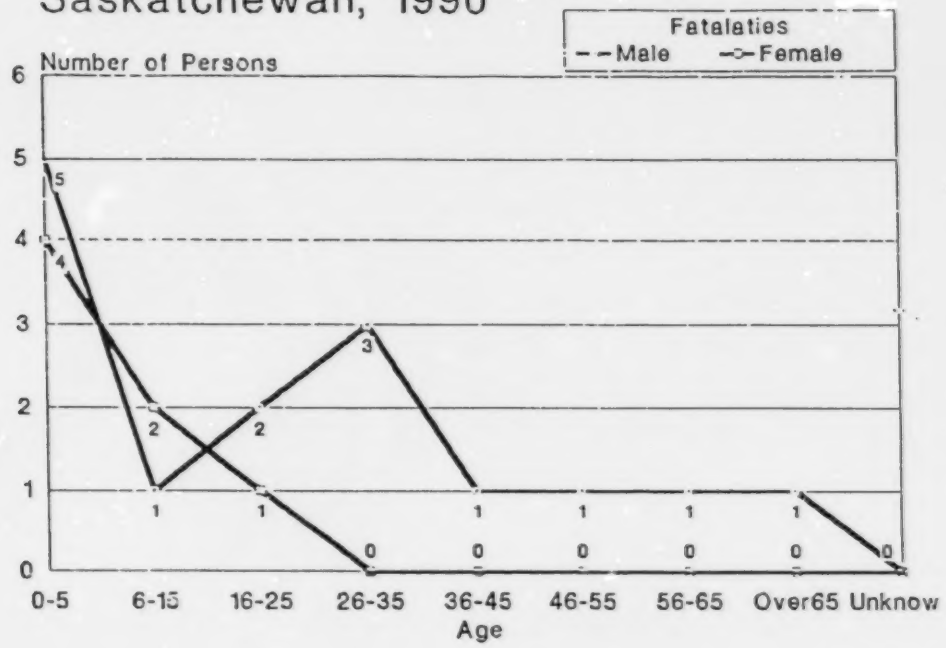
Annual Report
Provincial Fire Commissioner

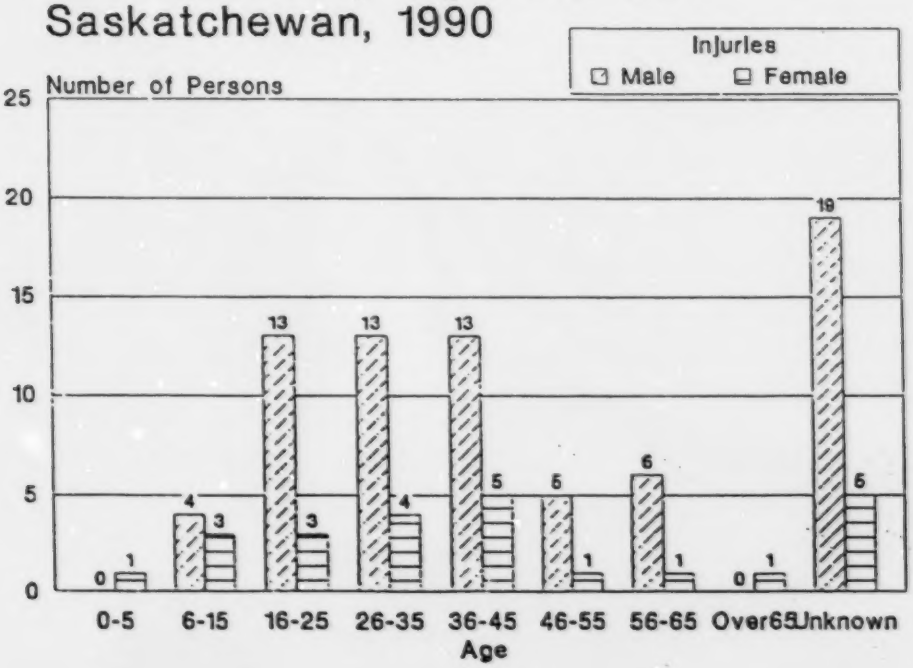
For the Fiscal Year ended March 31, 1991

Correction to page 9

Fire Fatalaties by Age and Sex Saskatchewan, 1990



Fire Injuries by Age and Sex Saskatchewan, 1990



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Introduction

This report includes losses due to fires in Saskatchewan for the calendar year 1990 in summary and in detail. Other data included in this report are presented on a 1990-91 fiscal-year basis.

The data included in this report have been compiled from information received from provincial fire inspectors, urban and rural fire chiefs, police forces, coroners, insurance companies and adjusters, secretary-treasurers of rural municipalities and the news media.

The Fire Commissioner's Branch enforces The Fire Prevention Act and regulations with respect to:

- apartment buildings;
- educational facilities;
- hospitals;
- hotels;
- installation of automatic sprinkler systems;
- fire hose threads;
- the approval, installation and maintenance of oil burners and oil-burning equipment and appliances using combustible liquids as fuel;
- storage and handling of flammable liquids;
- construction of concrete and masonry fireplaces, concrete and masonry chimneys and flues, sales and installation of factory built fireplaces and chimneys.

The branch also is responsible for regulations under The Housing and Special-care Homes Act, The Residential Services Act and The Mental Health Act with respect to fire safety in Special-care Homes, Homes for the Aged, Group Homes, Approved Homes and Private-service Homes.

The functions of the branch include: a program of inspection and licensing; preparation of educational and practical programs in fire prevention and fire protection; training of volunteer and full-time firefighters; fire and arson investigation; approval of plans and specifications; and the recording of information on fires in the province.

The branch also provides consulting services on fire safety matters to other government departments, municipalities, organizations, industry, business, committees and individuals. The province is divided into eight districts, with fire prevention officers based in North Battleford, Prince Albert, Regina, Saskatoon, Swift Current and Yorkton.

Staff in the Fire Commissioner's Branch on March 31, 1990 by category.

Category	Number of Positions
Fire Commissioner	1
Manager of Inspections and Investigations	1
Fire Prevention Officers	14
Clerical	4
Total	20

Associations and Committees

During 1990-91, the Fire Commissioner was a member of the Association of Canadian Fire Marshals and Fire Commissioners, the Canadian Association of Fire Chiefs, the National Fire Protection Association, the Saskatchewan Association of Fire Chiefs, the Fire Safety Councils of the Canadian Standards Association, Underwriter's Laboratories of Canada, Warnock Hersey and Canadian Gas Standards Advisory Committee, the Mobile Home Park Committee, the International Association of Arson Investigators and the Fire Marshal's Association of North America.

Conferences

During the year 1990-91, the following conferences or meetings were attended by the Fire Commissioner: Canadian Fire Investigation School in Halifax, The Saskatchewan Fire Chiefs' Association Conference in Estevan and the Canadian Association of Fire Marshals and Fire Commissioners' Conference in Quebec City. The Manager of Training attended the National Conference of Training Academy Principals in Gravenhurst, Ontario.

Fire Losses

Life

The number of lives lost in fires increased in 1990. This year twenty two persons lost their lives compared to 13 persons in 1989. Eight men, one woman and thirteen children lost their lives with seventeen of the twenty two deaths occurring in one and two family dwellings.

Property

The property loss for 1990 was $43,671,241 compared to $46,066,565 in 1989. A total of 2,664 fires were reported in 1990, compared to 2,908 in the year previous. Fires in one and two family dwellings continued to be highest in number. In 1990, 25 per cent of all fires reported were in dwellings representing a total of 656 fires with property loss of $10,606,207. The number one cause of fires in one and two family dwellings was unattended cooking oil, followed by electrical fires and children playing with matches and lighters.

Inspection Program

Fire prevention officers carried out inspections in towns, villages and hamlets covering all classes of occupancy with the exception of dwellings. Dwelling inspections were made only as a result of a complaint or obvious hazard. Local Assistants were encouraged to inspect dwellings in their own jurisdictions. Government-owned buildings were also inspected for fire safety and evacuation procedures.

Fire departments have authority under The Fire Prevention Act to inspect and enforce provincial regulations. In communities with full time departments provincial support is provided in special circumstances or upon requests.

During the year, fire prevention officers made 2,942 inspections excluding oil burner inspections/solid-fuel burning appliances/sprinklers. Of this number, 1,010 were special inspections and 395 were re-inspection follow-ups on previous orders. A total of 169 orders to remedy certain conditions within specified periods of time were issued. Inspections and improvement orders issued are shown in Table Eight on page 24, according to class of property.

Fire Prevention

The branch continued to advise municipal councils and fire departments with respect to fire protection requirements. Inspectors advised institutions, hospitals and hotels on fire emergency programs, fire exit drills and other safety matters. In addition, Fire Prevention Officers attended 612 special meetings with fire chiefs, local authorities and other persons concerned with fire prevention. The Fire Prevention Education Program is summarized in Table 12 on page 30. Fire Prevention Week (October 7 - 13th, 1990) was emphasized by means of lectures to school children, distribution of films and special fire prevention literature.

As part of a continuing effort to bring fire prevention to the attention of young people, the Fire Commissioner's Branch again sponsored the annual fire prevention poster competition through the schools. The competition was open for grades one to 12 and 33 of more than 3,000 entrants received awards. The interest shown in fire prevention by teachers and students was gratifying.

During the year Fire Prevention Officers conducted 171 school lectures, 393 film showings, and held 20 school fire drills.

One of the most successful fire prevention programs continues to be the Hospital and Special-care Home Program. More than 1,611 staff members in 43 hospitals and nursing homes received training in fire prevention, fire protection equipment and the safe relocation and evacuation of residents.

Finally, 850 people took part in 23 miscellaneous fire prevention programs. These sessions involved members of the St. Louis Rehabilitation Centre, Wascana and Kelsey campuses, Prince Albert Youth Camp and several industrial organizations.

Yearly, fire prevention and fire training films are distributed throughout the province. These films are used by schools, fire departments and various organizations. Some 393 showings are presented to 15,627 people.

Training

In 1990-91, scheduled training programs for fire fighters were conducted in 268 communities involving a total of 5,780 industrial, volunteer and paid fire fighters.

Many fire departments have completed Level 1 modules with several working towards certification of their entire membership.

To support delivery of training programs, Fire Service Instructor Courses were conducted in Swift Current, North Battleford and Regina. These new instructors will deliver programs to their own departments as well as assist the Fire Commissioner's Office with delivery of programs.

Two regional vehicle extrication courses were delivered jointly with Saskatchewan Emergency Measures Organization. One hundred and twenty representatives from various communities have now been involved in this Train the Trainer Program. After training, these individuals return to their communities where they train other members of their department.

Investigation

All fires reported are investigated for cause, origin and circumstances by the Fire Commissioner's staff, the local assistant to the Fire Commissioner, police, insurance agents or a combination of these forces.

The Fire Commissioner's staff participated in 110 investigations including cases in which arson was suspected, and in cases when it was deemed to be in the public interest to determine the cause of the fire. While Fire Prevention Officers made a number of investigations on their own, they frequently aided fire, insurance and law enforcement officials in determining the cause of fire.

In May 1990 the Twelfth Annual Fire Investigation Course was held at the Saskatchewan Police College. This course has grown in importance and has developed a reputation as one of the best of its kind in Canada.

The branch continues to promote and support the team concept in investigating fires and to this end a seminar was held in Swift Current involving the Branch Staff, Police and Local Assistants. This approach to fire investigation training will continue with seminars scheduled for each of the districts.

Plans

Plans and specifications for new and renovated buildings were reviewed for the Fire Commissioner by the Building Standards Branch.

Plans were examined for compliance with The Flammable Liquids Regulations, The Hotel Regulation, The Hospital Fire Regulations, The Regulations Governing Fire Safety in Educational Buildings, The Regulations Governing Installation of Automatic Sprinkler Systems and pertinent sections of the regulations under The Housing and Special-care Homes act.

In examining plans submitted for government buildings and plans voluntarily submitted for structures such as churches, lodge rooms, dry cleaning plants, skating rinks, curling rinks and all projects involving provincial grants, the Fire Commissioner's Branch continued to apply The National Building Code of Canada as widely as possible. Codes of The National Fire Protection Association and other standards of good practice are also used for this purpose.

Table 13 on page 31shows the number of plans and specifications reviewed by disposition, from 1981 to 1991.

During the fiscal year ended March 31, 1991, 1,064 plans and specifications for new buildings or additions to existing buildings were reviewed. Of these, 183 were approved with minor provisions and 419 were approved subject to alterations. Approval was not given in 252 examinations, either because more information was required, major redesign was necessary or the review was only advisory. Two hundred and ten sketches or drawings were reviewed in consultation with architects and other interested persons previous to the preparation of preliminary or final drawings.

Firefighting Equipment

There are over 520 fire protection departments or associations protecting homes and property throughout the province. Most of the associations cover districts financed on a taxation basis and protect from one to three rural municipalities. Many rural fire departments are operating on a co-operative basis and are funded by subscription.

Provincial legislation provides for agreements to share the cost of firefighting equipment under the various municipal acts, and provides for taxation over all or part of any municipality for fire protection.

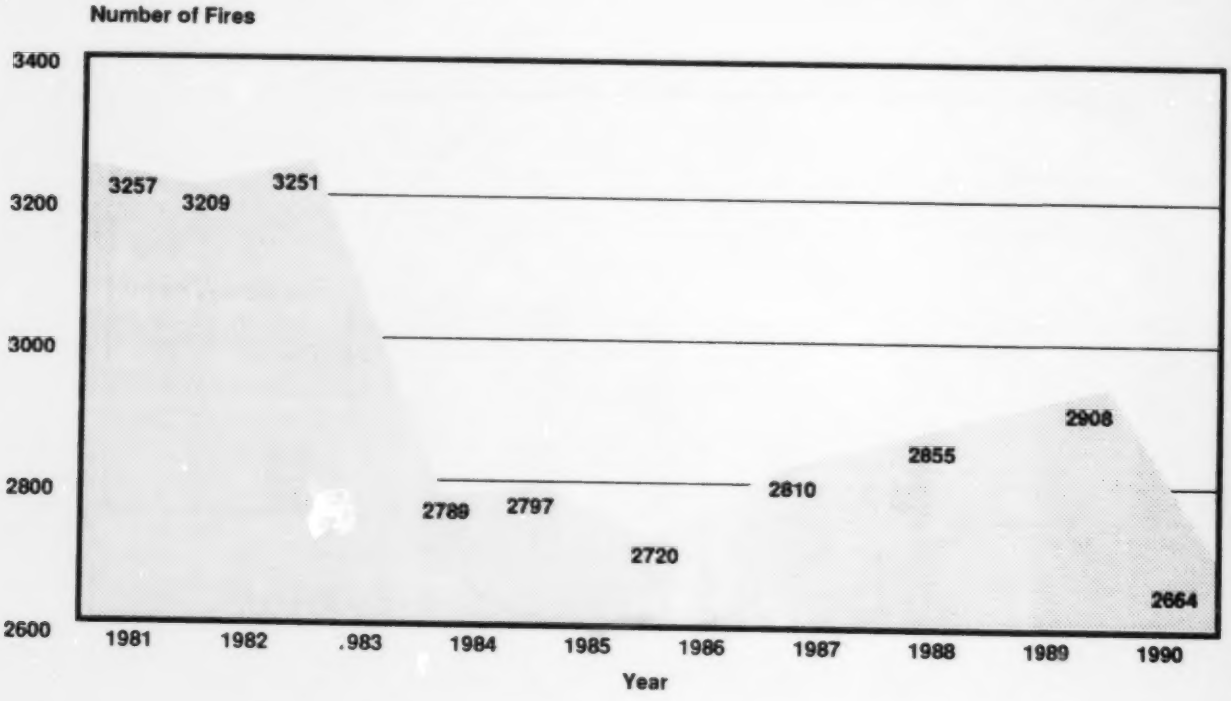
Oil Burners

The Fire Prevention Act and regulations require distributors and wholesalers of oil burners to obtain an annual license. Firms or persons installing and servicing oil-burning equipment must take out an annual or five year license as authorized by the Fire Commissioner. The number of licenses issued during the fiscal year ended March 31, 1991, and during each of the previous nine years is shown in Table 14 on page 32. The number of oil burner installation permits issued, as required by the regulations, is also shown.

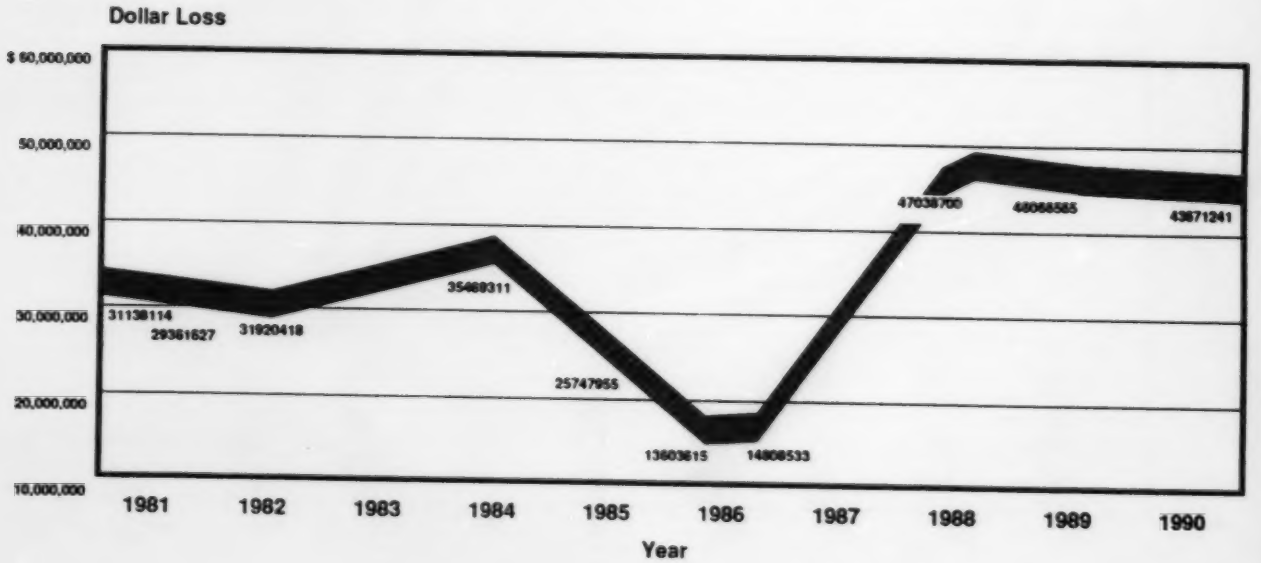
Fire Records

Under the provisions of The Fire Prevention Act, the Fire Commissioner is required to maintain a record of fires occurring in the province. This record is to include facts relating to origin and circumstances surrounding fire as they have been determined by investigations carried out by our staff, fire chiefs, adjusters and police. The results are shown in Tables 1 to 7 on pages 13 to 23 inclusive.

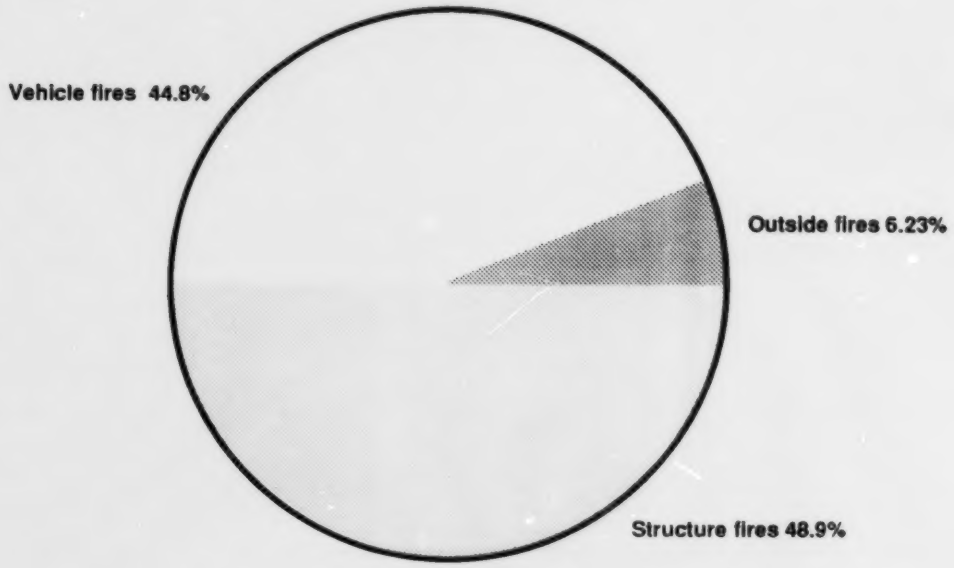
Total Number of Fires
Saskatchewan, 1981 to 1990



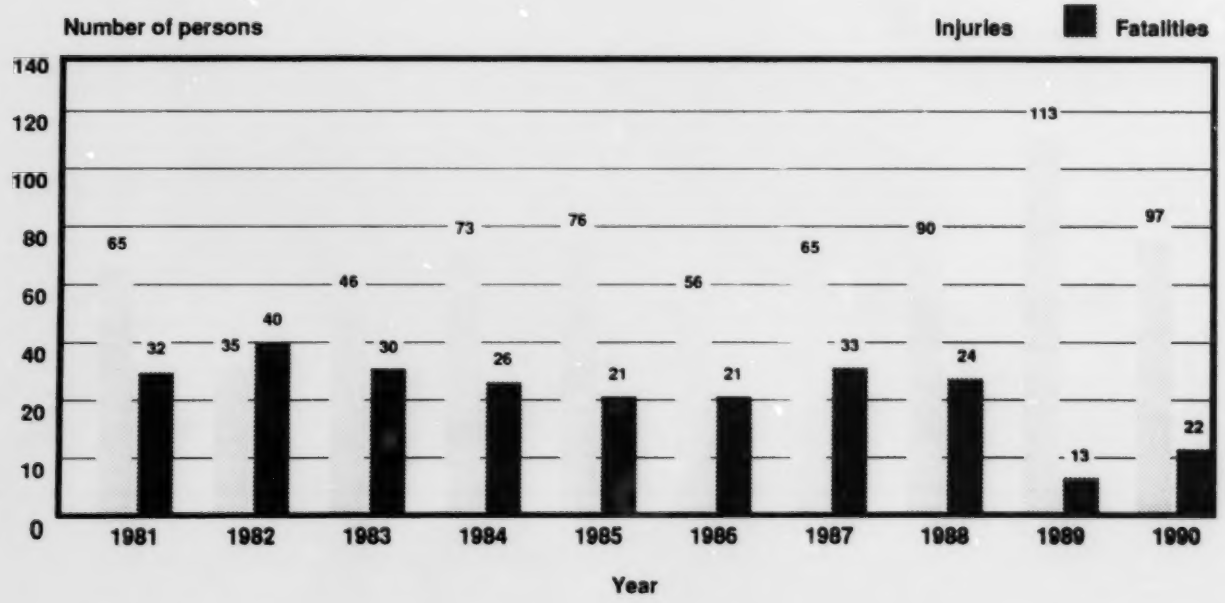
Estimated Dollar Loss
Saskatchewan, 1981 to 1990



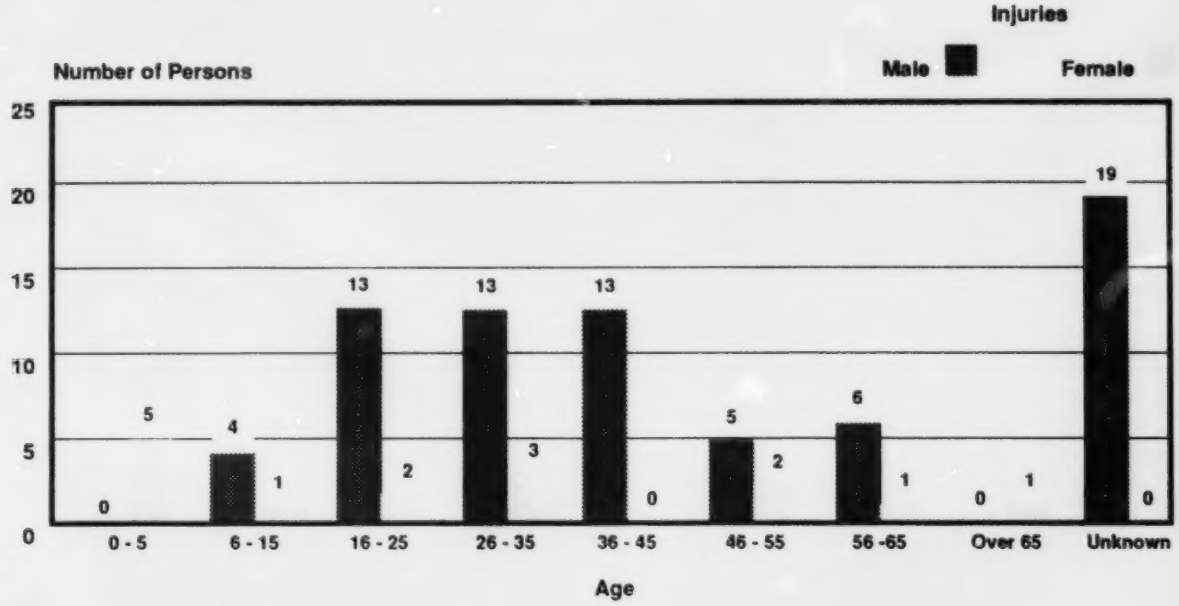
Comparative Chart of the Total Number of Fires in Saskatchewan, 1990



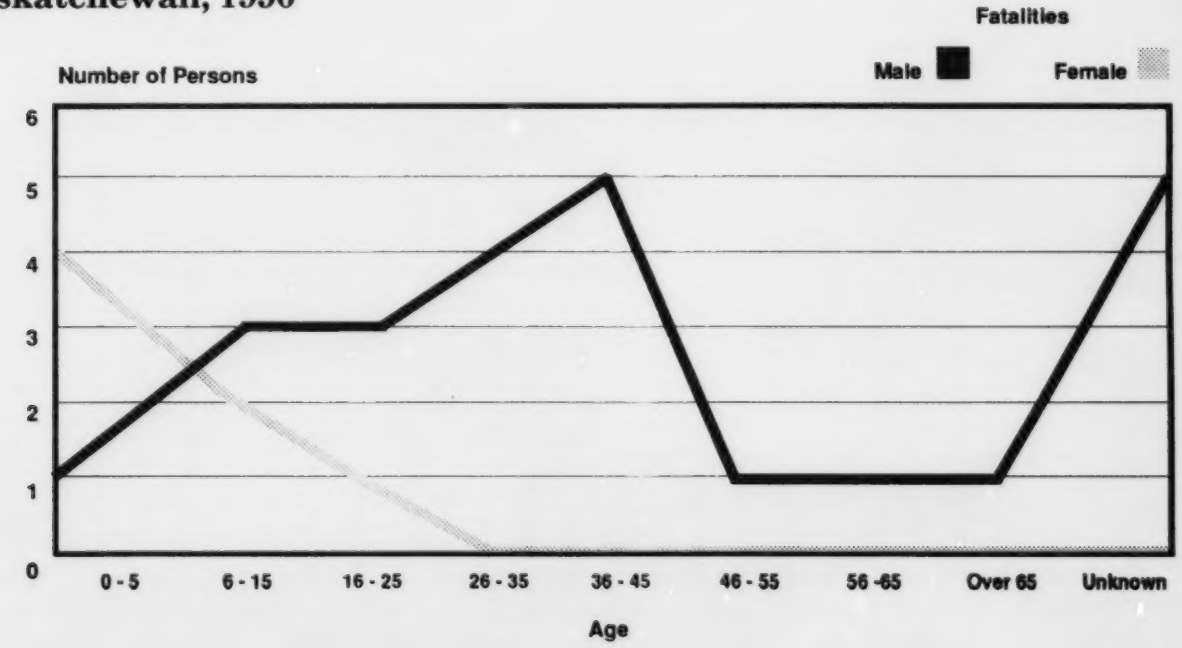
Total Injuries and Fatalities Saskatchewan, 1981 to 1990



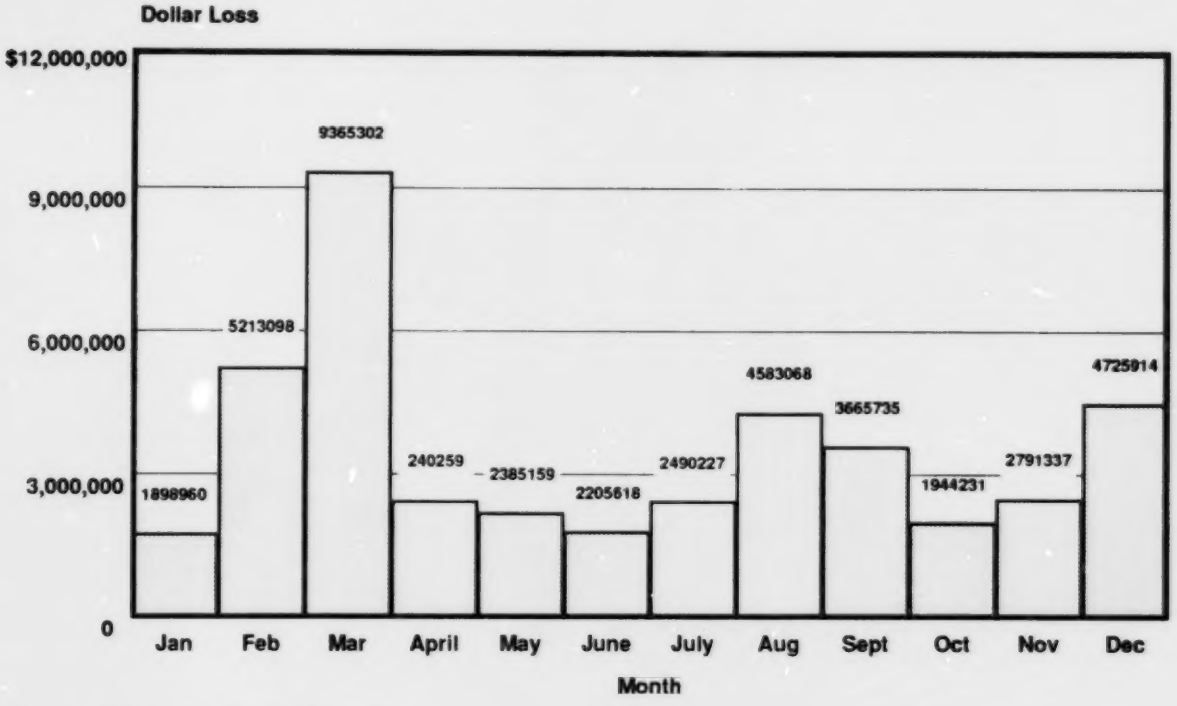
Fire Injuries by Age and Sex
Saskatchewan, 1990



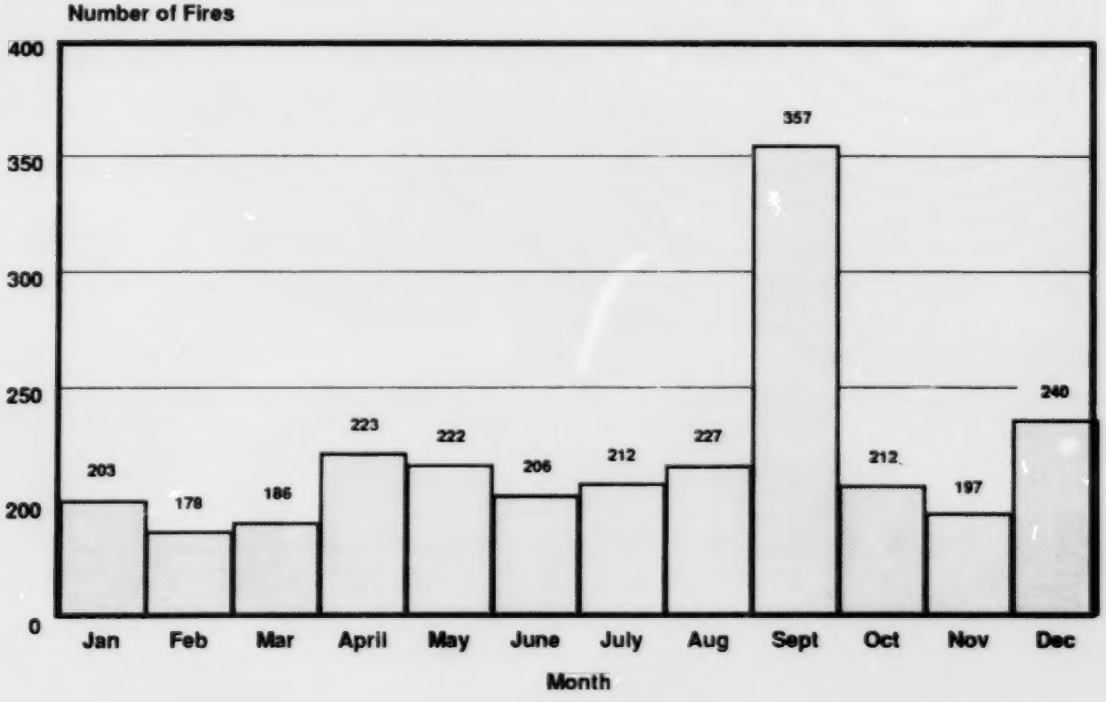
Fire Fatalities by Age and Sex
Saskatchewan, 1990



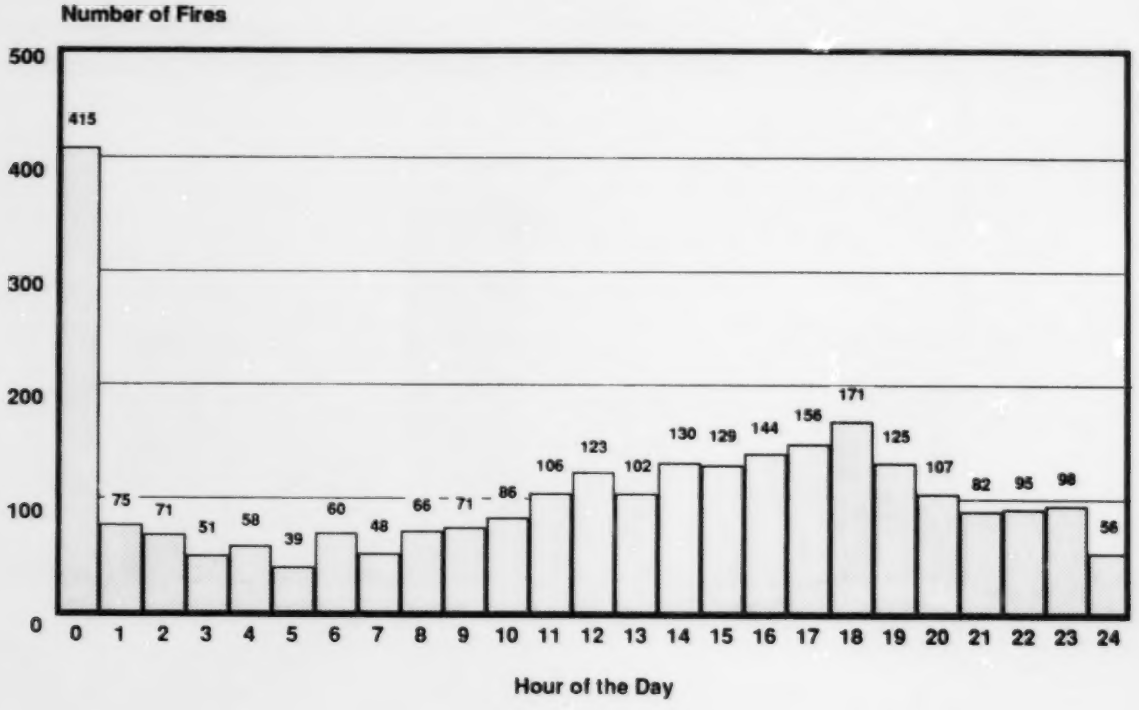
Estimated Fire Loss by Month
Saskatchewan, 1990



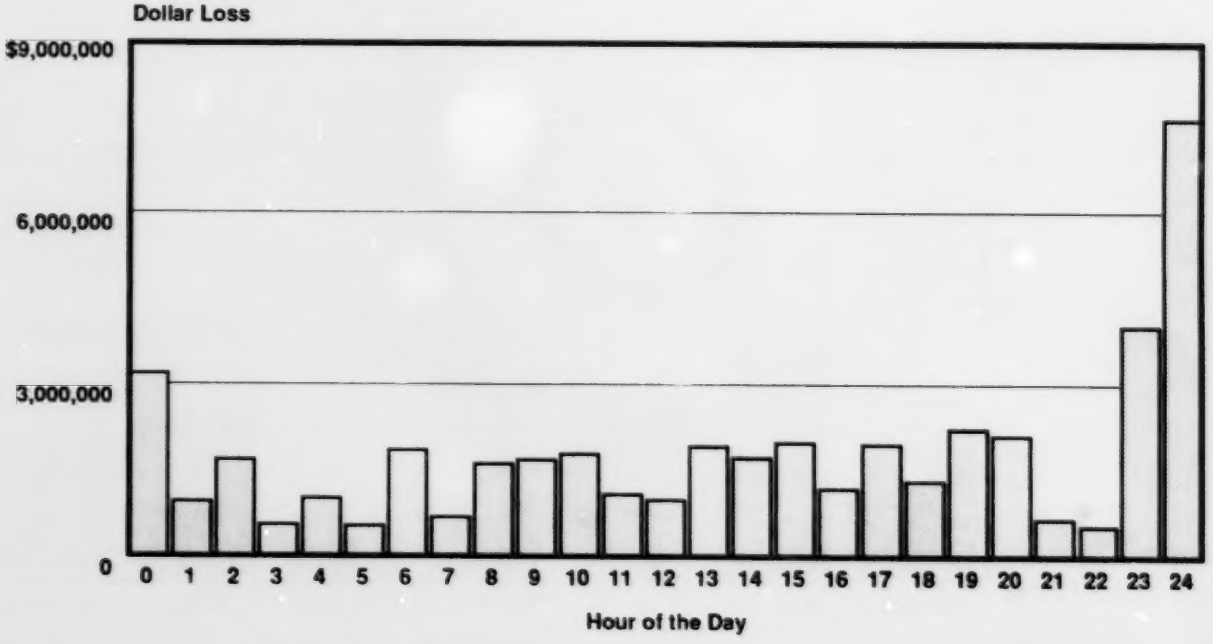
Number of Fires by Month
Saskatchewan, 1990



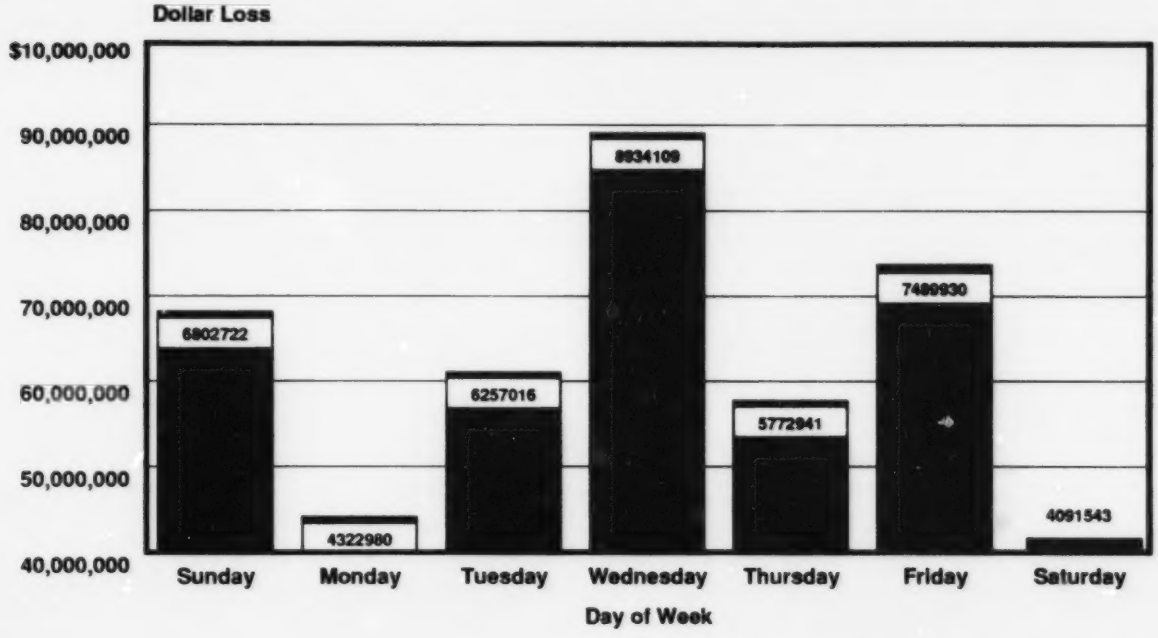
Number of Fires by Time of Day
Saskatchewan, 1990



Estimated Fire Losses by Time of Day
Saskatchewan, 1990



Estimated Fire Loss by Day of Week
Saskatchewan, 1990



Number of Fires by Day of Week
Saskatchewan, 1990

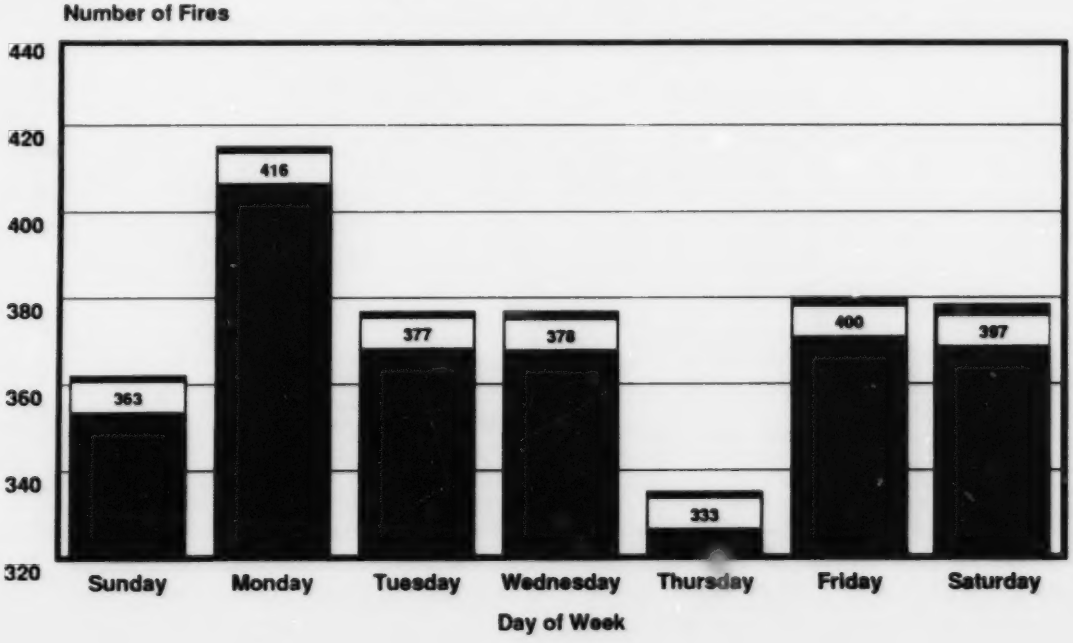


Table 1

Fire Loss Record in Urban Municipalities (Population over 1000), Saskatchewan, 1990

Urban Municipalities	Population*	Number of Fires	Estimated Property Loss**
Assiniboia	3,001	3	$1,348
Battleford	3,833	7	7,982
Biggar	2,626	10	13,200
Buffalo Narrows	1,278	1	0
Canora	2,602	7	6,185
Carlyle	1,172	4	3,229
Carnduff	1,090	0	0
Carrot River	1,101	5	517,500
Churchbridge	1,035	1	314
Coronach	1,006	3	3,800
Creighton	1,623	5	9,614
Cumberland House	1,049	5	0
Dalmeny	1,328	2	12,245
Davidson	1,183	2	6,164
Esterhazy	3,083	6	59,108
Estevan	10,161	13	107,425
Eston	1,383	1	1,000
Foam Lake	1,535	2	60,000
Fort Qu'Appelle	1,915	1	2,000
Gravelbourg	1,305	1	0
Grenfell	1,274	3	42,900
Gull Lake	1,164	1	2,700
Hudson Bay	2,133	4	12,500
Humboldt	5,089	6	275,375
Ile A La Crosse	1,253	1	500
Indian Head	1,886	2	40,500
Kamsack	2,565	4	197,263
Kelvington	1,084	4	594
Kerrobert	1,288	2	5,000
Kindersley	4,192	2	2,611
Kipling	1,033	2	3,100
Langenburg	1,371	1	3,000
Langham	1,193	0	0
Lanigan	1,698	1	5,000

Table 1 (continued)

Table 1 (continued)

Urban Municipalities	Population*	Number of Fires**	Estimated Property Loss
La Loche	2,038	9	$11,550
La Ronge	2,702	3	132,000
Leader	1,130	2	8,039
Lloydminster***	7,155	16	466,200
Lumsden	1,369	1	2,000
Macklin	1,131	0	0
Maidstone	1,112	2	96,500
Maple Creek	2,452	1	5,000
Martensville	2,760	2	1,493
Meadow Lake	3,976	14	119,633
Melfort	6,078	6	68,900
Melville	5,123	12	107,308
Moose Jaw	35,073	70	414,473
Moosomin	2,557	5	2,300
Nipawin	4,588	8	27,100
North Battleford	14,876	31	268,502
Outlook	2,137	5	5,220,824
Oxbow	1,229	1	2,000
Pilot Butte	1,387	0	0
Preeceville	1,272	2	6,865
Prince Albert	33,686	48	419,174
Regina	175,064	257	4,175,488
Rosetown	2,663	6	4,200
Rosthern	1,594	1	12,000
Saskatoon	177,641	434	4,172,857
Shaunavon	2,153	2	234
Shellbrook	1,238	1	10,000
Spiritwood	1,025	1	0
Swift Current	15,666	28	491,060
Tisdale	3,184	7	62,769
Unity	2,471	3	4,300
Wadena	1,602	1	14,000
Wakaw	1,010	4	118,800
Warman	2,455	3	52,044
Watrous	1,953	6	7,785
Weyburn	10,153	14	41,852
Whitewood	1,107	1	0
Wilkie	1,526	2	20,000
Wynyard	2,079	2	330,000
Yorkton	15,574	18	269,679

* Source: 1990 Municipal Directory
** Based on reports of fire insurance company adjusters and fire chiefs
** Where $0 is shown the dollar loss was not available
*** Includes only Saskatchewan portion of Lloydminster

Table 2

Fire Losses, by Mobile Property Type, Saskatchewan, 1990

Mobile Property	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Passenger Road Transport Vehicles - auto, bus, mobile home	641	$2,391,215	18	0
Freight Road Transport Vehicles - semi, pick-up	385	1,849,939	4	0
Rail Transport Vehicles	6	262,000	1	0
Water Transport Vessels	2	11,900	0	0
Air Transport Vehicles	0	0	0	0
Heavy Equipment - construction equip., farm equip.	149	1,929,464	2	0
Special Vehicles, Containers - garden equip., compactors, dumpers	11	27,573	0	0
Other Mobile Property Types	0	0	0	0
Total	1,194	6,472,091	25	0

Table 3

Fire Losses, by Area of Fire Origin, Saskatchewan, 1990

Area of Fire Origin	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Means of Egress - hallway, stairway, entrance way	41	$1,253,367	2	1
Assembly, Sales Areas - rinks, living rooms, library	117	5,283,009	17	8
Function Areas - bedroom, kitchen, office, laboratory	441	12,340,381	29	11
Storage Areas - closet, loading bays, vault	229	3,827,359	6	0
Service Facilities - duct, chimney, conveyor	45	365,630	0	0
Service, Equipment Areas - machinery room, furnace room	84	5,548,962	7	0
Structural Areas - crawl space, wall assembly, awning	241	4,447,639	4	0
Transportation, Vehicle Areas - trunk, engine, passenger area	1,169	5,988,625	22	0
Other Area of Origin - public street, patio, field	203	1,782,971	4	0
Area of Fire Origin Undetermined	94	2,833,298	6	2
Total	2,664	43,671,241	97	22

Table 4

Fire Losses, by Form of Heat of Ignition, Saskatchewan, 1990

Form of Heat of Ignition	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Heat from Fuel-Fired, Fuel-Powered - Object	480	$5,400,205	15	0
Heat from Electrical Equipment Arcing, - Overloaded	543	5,316,129	15	0
Heat from Smoking Material	62	705,480	8	3
Heat from Open Flame, Spark	505	6,255,603	13	9
Heat from Hot Object	347	3,169,494	19	1
Heat from Explosive, Fireworks	7	205,020	1	0
Heat from Natural Source	67	2,926,871	2	0
Heat Spreading from another Hostile - Fire (Exposure)	85	1,161,974	0	0
Other Form of Heat of Ignition	7	386,100	0	2
Form of Heat of Ignition Undetermined	561	18,144,365	24	7
Total	2,664	43,671,241	97	22

Table 5

Fire Losses, by Ignition Factor (cause) Saskatchewan, 1990

Ignition Factor	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Incendiary or Suspicious	210	$9,956,006	6	4
Misuse of Heat of Ignition - falling asleep, children playing with,	309	5,346,156	22	13
Misuse of Material Ignited - fuel spilled, improper storage,	144	2,326,342	10	0
Mechanical Failure, Malfunction - part failure, short circuit, backfire,	1,140	8,595,116	18	0
Design, Construction, Installation Deficiency	236	3,459,218	0	0
Operational Deficiency - unattended, spontaneous, improper startup,	225	4,524,268	25	0
Natural Condition - high wind, lightning,	48	1,266,070	0	0
Other Ignition Factor	27	391,116	0	0
Ignition Factor Undetermined	325	7,806,949	16	5
Total	2,664	43,671,241	97	22

Table 6

Fire Losses, By Fixed Property Use, Saskatchewan, 1990

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Assembly Property				
Fixed Use Amusement, Recreation Places	10	$79,998	0	0
Variable Use Amusement, Recreation Places	4	126,100	0	0
Churches, Funeral Parlors	8	490,100	0	0
Clubs	0	0	0	0
Libraries, Museums, Court Rooms	2	2,002,000	2	0
Eating, Drinking Places	26	6,411,100	0	0
Passenger Terminals	0	0	0	0
Theaters, Studios	1	4,000	0	0
Assembly Property: unclassified	0	0	0	0
Sub-Total	51	9,113,298	2	0
Educational Property				
Nonresidential Schools	5	23,009	0	0
Residential Schools	0	0	0	0
Trades, Business Schools	0	0	0	0
Colleges, Universities	2	20,200	0	0
Educational Property: unclassified	0	0	0	0
Sub-total	7	43,209	0	0
Institutional Property				
Care of the Aged	3	1,000	0	0
Care of the Young	1	17,000	0	0
Care of the Sick, Injured	5	1,841	0	0
Care of the Physically Restrained	1	150	0	0
Care of the Physically Inconvenienced	0	0	0	0
Care of the Mentally Handicapped	1	21,000	0	0
Institutional Property: unclassified	0	0	0	0
Sub-total	11	40,991	0	0

Table 6 (continued)

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Residential Property				
One and Two Family Dwellings	656	$10,606,207	41	17
Apartments, Tenements, Flats	72	698,493	6	2
Rooming, Boarding, Lodging Houses	6	37,503	1	0
Hotels, Motels, Inns, Lodges	13	1,033,150	2	2
Dormitories	0	0	0	0
Home Hotels	3	1,700	0	0
Other Residential Occupancies	4	2,675	0	0
Residential Property: unclassified	2	15,000	0	0
Sub-total	756	12,394,728	50	21
Store, Office Property				
Food, Beverage Sales	10	788,444	0	0
Textile, Wearing Apparel Sales	1	0	0	0
Household Goods Sales, Repairs	2	150	0	0
Specialty Shops	7	654,100	2	0
Recreation, Hobby or Home Repair Supply Sales, Services	5	224,725	0	0
Professional Supplies, Service	4	218,250	0	1
Motor Vehicle or Boat Sales, Service	33	1,106,581	0	0
General Item Stores	4	201,300	0	0
Offices	10	31,754	0	0
Store, Office Property: unclassified	2	500	0	0
Sub-total	78	3,225,804	2	1

Table 6 (continued)

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Basic Industry, Utility, Defense Property				
Nucleonics, Energy Production	3	$148,000	0	0
Laboratories	0	0	0	0
Communications, Defense, Document Facility	0	0	0	0
Utility, Energy Distribution systems	6	13,500	0	0
Agriculture	63	2,737,666	0	0
Forest, Hunting, Fishing	8	465,300	0	0
Mining, Quarrying of Natural Raw Materials	14	542,650	2	0
Nonmetallic Mineral, Mineral Product Manufacture	3	5,918	0	0
Basic Industry, Utility, Defense: unclassified	0	0	0	0
Sub-total	97	3,913,034	2	0
Manufacturing Property				
Food	3	30,000	0	0
Beverages, Tobacco, Essential Oils	0	0	0	0
Textiles	1	5,000	0	0
Footwear, Wearing Apparel, Leather, Rubber	0	0	0	0
Wood, Furniture, Paper, Printing	5	260,500	0	0
Chemical, Plastic, Petroleum	4	232,069	0	0
Metal, Metal Products Storage	3	40,500	1	0
Vehicle Assembly, Manufacture	1	10,000	0	0
Other Manufacturing Property	2	1,500,000	0	0
Manufacturing Property: unclassified	3	20,701	1	0
Sub-total	22	2,098,770	2	0

Table 6 (continued)

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Storage Property				
Agricultural Products Storage	117	$1,852,009	1	0
Textile Storage	0	0	0	0
Processed Food, Tobacco Storage	1	100	0	0
Petroleum Products, Alcoholic Beverage Storage	4	9,500	1	0
Wood, Paper Products Storage	2	34,000	0	0
Chemical or Plastic, Product Storage	4	506,200	4	0
Metal, Metal Product Storage	6	418,450	1	0
Vehicle Storage	182	2,366,541	7	0
General Item Storage	3	255	0	0
Storage Property: unclassified	92	522,700	0	0
Sub-total	411	5,709,755	14	0
Special Property				
Construction, Unoccupied Property	64	1,710,077	0	0
Special Structures	32	37,073	0	0
Outdoor Properties	314	2,016,179	4	0
Water Areas	1	4,000	0	0
Railroad Properties	7	264,500	1	0
Road, Parking Property	802	2,491,090	19	0
Aircraft Areas	0	0	0	0
Equipment Operating Areas	7	608,723	1	0
Special Property: unclassified	4	10	0	0
Sub-total	1231	7,131,652	25	0
Total	2,664	$43,671,241	97	22

Table 7

Fires in which the Estimated Loss was $500,000 or over Saskatchewan, 1990

Location	Date of Fire	Property	Ignition Factor	Estimated Dollar Loss	Injuries	Fatalities
Val Marie	Feb. 02, 90	Building under construction	Welding	$700,000	0	0
Regina	Feb. 16, 90	Museum	Spontaneous	2,000,000	2	0
Carrot River	Feb. 23, 90	Gas Station	Fuel Spilled	5,000,000	0	0
Outlook	Mar. 21, 90	Restaurant	Undetermined	5,200,000	0	0
Hudson Bay	Mar. 23, 90	Construction Site	High Wind	5,000,000	0	0
Carrot River	Mar. 27, 90	Mfg. Property	Welding	1,500,000	0	0
Naicam	Aug. 09, 90	Pig Barn	Undetermined	875,000	0	0
Spalding	Aug. 09, 90	Pig Barn	Undetermined	750,000	0	0
Dysart	Sep. 23, 90	Grain Elevator	Undetermined	715,000	0	0
Hudson Bay	Nov. 11, 90	Restaurant	Design Def.	550,000	0	0
Saskatoon	Dec. 27, 90	Industrial Chem.	Undetermined	500,000	4	0

Table 8

Inspections and Improvement Orders by Property Classification, Saskatchewan, 1990-91

Class of Property	Inspection (calls)	Improvement orders issued
Total	**2,942**	**167**
Assembly	**1,458**	**72**
Agriplexes	2	0
Amusement centres (arcades)	1	0
Bowling alleys	7	0
Change houses	1	0
Churches	231	2
Clubs	32	0
Court rooms	2	0
Day care centres	5	0
Funeral homes	0	0
Halls	262	11
Libraries	7	0
Licensed dining rooms	4	0
Museums	22	0
Pool rooms	0	0
Restaurants (cafes)	110	2
Rinks	294	19
Senior citizen centres	78	3
Schools (sheltered workshops, activity centres)	386	34
Swimming pools	9	1
Theatres	5	0
Institutional	**240**	**8**
Correction centres	3	0
Hospitals	95	2
Hostels	5	1
Jails	0	0
Nursing homes	128	5
Rehabilitation centres	9	0

Table 8 (continued)

Inspections and Improvement Orders by Property Classification, Saskatchewan, 1990-91

Class of Property	Inspection (calls)	Improvement orders issued
Residential	**664**	**75**
Apartments	121	5
Approved homes	75	0
Cabins	39	1
Convents, monasteries	0	0
Dormitories	22	2
Group homes	48	0
Houses	8	0
Hotels	272	59
Lodging houses	2	0
Mobile homes	1	0
Motels	56	7
Private-service homes	17	0
Summer camp buildings	3	1
Business	**86**	**0**
Banks (credit unions)	2	0
Barber and hairdressing shops	0	0
Clinics (medical and veterinary)	1	0
Health spas	0	0
Laundromats and drycleaners	0	0
Offices	83	0
Mercantile	**49**	**0**
Car washes	0	0
Department stores	0	0
Exhibition halls	2	0
Shops	4	0
Stores	32	0
Supermarkets	11	0

Table 8 (continued)

Inspections and Improvement Orders by Property Classification, Saskatchewan, 1990-91

Class of Property	Inspection (calls)	Improvement orders issued
Industrial	**445**	**12**
Above and underground tanks	9	2
Aircraft hangers	0	0
Auto body shops	2	0
Bakeries	0	0
Bulk oil plants (propane)	113	4
Cold storage plants	0	0
Concrete plants	0	0
Creameries and dairies	0	0
Factories	3	0
Fertilizer buildings	11	0
Fire stations	19	0
Lumber yards	12	0
Machine shops (metal, welding)	9	1
Manufacturing plants	7	0
Meat packers	0	0
Mills	0	0
Oil field supplies	0	0
Plumbing and heating shops	0	0
Power houses	0	0
Printing shops	0	0
Pump houses	0	0
Repair garages (implements)	116	0
Service stations	103	3
Storage garages and rooms	10	1
Upholstery shops	2	0
Warehouses (storage sheds)	24	0
Water treatment plants	2	0
Woodworking factories (shops)	0	0
Workshops	3	1

* Includes 1,010 special inspections and 395 re-inspections.

Table 9

Inspections and Improvement Orders Issued, Saskatchewan, 1981-82 to 1990-91

Class of property	Inspection (calls)	Improvement orders issued
1981 - 82	3,603	650
1982 - 83	6,028	907
1983 - 84	5,884	757
1984 - 85	3,815	735
1985 - 86	3,268	698
1986 - 87	5,432	861
1987 - 88	4,915	618
1988 - 89	3,273	421
1989 - 90	4,357	464
1990 - 91	2,942	167

Table 10

Inspections by Property Classification, Saskatchewan 1981-82 to 1990-91

Year	Total	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments		Other bldgs.
1981 - 82	3,603	450	1,607	1,349		13	184
1982 - 83	6,028	681	2,845	2,137		29	336

		Assembly	Inst'nl	Residential	Business	Mercantile	Industrial
1983 - 84	5,884	2,056	176	654	822	627	1,549
1984 - 85	3,815	1,585	163	685	307	248	827
1985 - 86	3,268	1,815	216	631	92	22	492
1986 - 87	5,432	2,690	328	965	316	124	1,009
1987 - 88	4,915	1,908	263	712	435	442	1,155
1988 - 89	3,273	1,604	236	702	94	71	566
1989 - 90	4,357	2,195	270	797	192	136	767
1990 - 91	2,942	1,458	240	664	86	49	445

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 11

Improvement Orders Issued, by Property Classification, Saskatchewan 1981-82 to 1990-91

Year	Total	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments	Other bldgs.
1981 - 82	650	144	120	353	1	32
1982 - 83	907	246	126	483	4	48

		Assembly	Inst'nl	Residential	Business	Mercantile	Industrial
1983 - 84	757	403	38	157	6	5	148
1984 - 85	735	379	43	222	10	2	79
1985 - 86	698	394	39	189	2	3	71
1986 - 87	861	422	38	238	7	1	155
1987 - 88	618	305	29	191	11	12	70
1988 - 89	421	209	18	135	-	-	59
1989 - 90	464	225	28	168	1	1	41
1990 - 91	167	72	8	75	-	-	12

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 12

Selected Activities in Fire Prevention & Public Education, Saskatchewan, 1990-91

Selected activities	Number	Attendance
Meetings:		
Fire chiefs'	225	-
Fire department	164	858
Hospitals and Special-Care Homes	44	204
Council	28	107
Public	24	686
School boards	16	113
Other	111	932
Training:		
Babysitting courses	31	1,471
Film showings	393	15,627
Fire departments	1	26
Fire drills	20	2,837
Hospitals	43	1,300
Special-Care Homes	34	823
Schools	171	14,380
Other	19	397
Other activities:		
Automatic sprinkler inspections	33	-
Oil burner inspections	4	-
Solid-fuel appliance inspections	27	-
Appeals against orders	11	-
Building/Design/Consultant/ Plans review	470	-
Court cases	10	-
Fuel leaks	11	-
Water system surveys	2	-

Note: Attendance figures are not recorded for all activities.

Table 13

Plans and Specifications of Buildings Reviewed, by Disposition, Saskatchewan, 1981 to 1991

Year	Total	Approved	Approved subject to alterations	Rejected/ Pending
1981-82	1,254	333	747	174
1982-83	1,206	407	675	124
1983-84	1,406	505	754	147
1984-85	1,449	539	783	127
1985-86	1,199	401	698	100
1986-87	1,380	401	833	145
1987-88	1,105	412	614	79
1988-89	901	338	492	71
1989-90	1,026	455	497	74
1990-91	854	183	419	252

Table 14

Oil Burner Licences and Permits Issued under The Fire Prevention Act, Saskatchewan, 1981-82 to 1990-91

Type of licence or permit	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
Total oil burner licence	129	109	94	88	108	71	59	49	39	46
Wholesalers' or manufacturers' annual)	12	11	11	12	9	8	7	5	5	3
Installers' (annual)	42	41	34	27	25	22	13	11	11	9
Installers' (quinquennial)	75	57	49	49	74	41	34	33	23	34
Total oil burner permits (annual)	106	71	16	10	3	10	9	7	33	5

Note: The number of licenced oil burner installers, in Saskatchewan in 1990-91 was 218.

Table 15

Firefighter Training Schools, Saskatchewan, 1990-91

Location	Period
Basic Fire Schools	
Waskesiu	April 3,4,5
Central Butte	April 16,17,18
Pennant	April 17,18
Glaslyn	June 18,19,20
Meunster	September 24
R.M.'s Wilton & Brittania	October 22,23
Maidstone	October 24
Turnor Lake	March 12
Certificate Courses	
Watrous	April 3,4,5
Shaunavon	April 3,4,5
Prelate	April 7,8
Regina Fire Department	April 7,8
Maple Creek	April 9,10,11
Cutknife	April 9,10,11
Prince Albert	April 9,10,11,12
Canora	April 15,16,17
Watson	April 17,18,19
Southey	April 23,24,25
Bjorkdale	April 24,25,26
Ituna	April 25,26,27
Leader	April 30,May 1,2
Waskesiu	May 1,2,3
Martensville	May 8,9,10
Melville	May 21,22,23
Clavet	May 22,23,24
Avonlea	May 22,23,24
Assiniboia	May 25,26
Ceylon	May 30,31,June 1
Spiritwood	June 4,5,6
Swift Current	June 7,8
Lafleche	June 8,9
Fort Qu'Appelle	June 11,12
Prudhomme	June 11,12,13
Luseland	June 11,12,13

Table 15 (continued)

Firefighter Training Schools, Saskatchewan 1990-91

Location	Period
Raymore	June 12,13,14
Foam Lake	June 14,15,16
Birch Hills	June 14,15,16
Morse	June 14,15,16
Hague	June 21,22,23
Hanley	June 25,26,27
Lanigan	June 25,26,27
Melfort	June 26,27,28
Regina	July 3,4,5
Certificate Courses	
Broadview	July 9,10,11
Eastend, Shaunavon,Climax, Ponteix	July 9,10,11,12,13
Kindersley	July 10,11,12
Esterhazy	July 12,13,14
Kelvington	July 15,16,17
Stoughton	July 16,17,18
Lashburn	July 16,17,18
Saltcoats	July 19,20
Springside	July 19,20,21
Kincaid	July 23,24,25
Radisson	July 24,25,26
Fleming	July 30,31,August 1
Springside	August 6
Dinsmore	August 13,14,15
Gull Lake	August 15,16
Swift Current	August 16,17,18
Caronport	August 27,28,29
Elrose	September 10,11,12
Nipawin	September 10,11,12
Meadow Lake	September 10,11,12
Rocanville	September 10,11,12
Yorkton	September 10,11,12,13,14
Fort Qu'Appelle	September 13,14
Wadena	September 16,17,18
Humboldt-Muenster	September 24,25,26,27,28
Warman	September 24,25,26,27,28
Sedley	October 1,2,3

Table 15 (continued)

Firefighter Training Schools, Saskatchewan 1990-91

Location	Period
Wawota	October 9,10,11
Radisson	October 15,16,17
Gravelbourg	October 22,23,24,25
Delisle	October 26,27
Moose Jaw	October 29
Delisle	November 2,3
Carnduff	November 5,6,7
Kenaston	November 12,13,14
Balgonie	November 13,14,15
Redvers	November 19,20,21
Denare Beach	November 19,20,21,22
Creighton	November 19,20,21,22
Mankota	November 26,27,28
Estevan	December 3
Ebenezer	December 3,4,5
Rhein	December 3,4,5
Springisde	December 3,4,5
Sheo	December 3,4,5
Mossbank	January 14,15,16
Assiniboia	January 14,15,16
Limerick-Bengough	January 17,18,19
Paradise Hill	January 21,22,23,24
North Battleford	January 27,28,29,30,31, February 1
Moose Jaw	January 27,28,29,30,31, February 1, 2
Riceton	February 3,4,5
Blaine Lake	February 3,4,5
Strasbourg	February 3,4,5,6,7
Wakaw	February 11,12,13,14,15
Assiniboia	February 26,27
Kamsack	February 24,25,26,27,28, March 1
Buffalo Narrows	March 10,11,12,13
Hepburn	March 10,11,12,13
Weyburn	March 15,16
Green Lake	March 18,19,20,21,22

Miscellaneous Courses

Regina Fire Department #2 Fire Hall	April 11
Regina Fire Department #2 Fire Hall	May 13
Regina-Saskatchewan Government Archives	May 17
Regina Fire Department #2 Fire Hall	July 30
Regina - Wascana and Saskatoon - Kelsey Campuses	August 28
Saskatoon - Kilburn Youth Centre	September 4
Saskatoon - Kilburn Youth Centre	September 9
Regina Fire Department #2 Fire Hall	September 19
Saskatoon Chemical	October 8,9
North Battleford Native Nursing	October 10
Saskatoon - Kelsey Campus	October 10
Regina - Wascana and Saskatoon - Kelsey Campuses	October 15
Regina Fire Department #2 Fire Hall	November 6
Martensville	November 9,10
Regina Fire Department #2 Fire Hall	December 7
Saskatoon Fire Department	December 10
Regina - Petro Canada	January 6
Fort San - Saskatchewan Health	January 13
Regina General Hospital	January 20
Regina Fire Department #2 Fire Hall	January 24
Regina - Petro Canada	February 7,8
Humboldt Wildland Fires	March 3,4,5,6,7
Regina Fire Department #2 Fire Hall	March 25

Table 16

Firefighter Training Schools
Saskatchewan, 1981-82 to 1990-1991

Year conducted	Number of training schools conducted	Number of persons registered
1981-82	27	2,039
1982-83	33	2,046
1983-84	31	2,246
1984-85	47	1,198
1985-86	55	930
1986-87	80	979
1987-88	96	1,138
1988-89	99	1,409
1989-90	81	1,909
1990-91	268	5,780